Count 1	U.S. Patent No. 5,733,186 Claim 1
A coin mechanism for use in an automatic transaction system, the coin mechanism comprising:	1. **In a vending machine . . ., the improvement comprising:** **a coin changer including**
coin tubes for storing respective denominations of coins;	**four coin tubes, each coin tube storing one coin denomination therein**
a dispenser for dispensing coins from the coin tubes; and	**and having coin payout means associated therewith,**
a processor that is coupled to the dispenser	**the coin changer further including processing means . . . associated therewith, the processing means operably connected to the coin payout means of each coin tube,**
and that is arranged to be coupled to a controller in the automatic transaction system so as to receive dispense signals from the automatic transaction system controller,	**the processing means connected to the three coin tube interface lines of the vending machine controller so as to receive signals therefrom, . . .** The preamble of claim1 recites: **In a vending machine including a controller . . ., the controller operable to determine an amount of change . . . and to produce at least one signal on one of the coin tube interface lines so as to attempt to payout the determined amount of change, . . .**
wherein the processor is configured to accumulate a value corresponding to the received dispense signals	**so that for a given plurality of signals received on three coin tube interface lines, the processing means assigns a value to each signal . . . such that all assigned values are accumulated . . .**
and to cause at least one coin to be dispensed from the coin tubes based on the accumulated value.	**and the processing means is operable to effect production of a plurality of signals in attempt to payout coins having respective values which sum to an amount substantially corresponding to the accumulated value . . .**
Count 1	Claims 2-7 of U.S. Patent No. 5,733,186 depend directly or indirectly from claim 1 and include the limitations of that claim.

	See claim 1 above.
<u>Count 1</u>	<u>U.S. Patent No. 5,733,186 Claim 8</u>
A coin mechanism for use in an automatic transaction system, the coin mechanism comprising:	**8. A coin changer installable in a vending machine . . . the coin changer comprising:**
coin tubes for storing respective denominations of coins;	**M coin tubes, each coin tube storing one coin type therein . . .**
a dispenser for dispensing coins from the coin tubes; and	**coin payout means associated with each coin tube,**
a processor that is coupled to the dispenser	**and processing means operatively connected to each of the coin payout means,**
and that is arranged to be coupled to a controller in the automatic transaction system so as to receive dispense signals from the automatic transaction system controller,	**the processing means configured for connection to each of the N coin tube interface lines so as to receive coin payout signals therefrom,** The preamble of claim 8 recites a coin changer "**installable in a vending machine which includes a controller . . . N coin tube interface lines connected to the controller, the controller operable to produce coin payout signals on the N coin tube interface lines . . .**"
wherein the processor is configured to accumulate a value corresponding to the received dispense signals	**the processing means operable to accumulate a change payout amount in response to coin payout signals received from the N coin tube interface lines,**
and to cause at least one coin to be dispensed from the coin tubes based on the accumulated value.	**the processing means operable in combination with the coin payout means of each coin tube to effect payout of coins therefrom, . . ., wherein, if the accumulated change payout amount is greater than the predetermined amount, the processing means is operable to first attempt to payout coins having respective values, which sum to a predetermined payout amount, and to decrease the accumulated change payout**

	amount by the predetermined payout amount.
Count 1	Claims 9-14 of U.S. Patent No. 5,733,186 depend directly or indirectly from claim 8 and include the limitations of that claim. See claim 8 above.
Count 1	U.S. Patent No. 5,733,186 Claim 15

Claim 15 of U.S. Patent No. 5,733,186 is a method claim corresponding to apparatus claim 1. |
A coin mechanism for use in an automatic transaction system, the coin mechanism comprising:	15. A method of paying out change from a vending machine including . . . a coin changer . . ., the coin changer including
coin tubes for storing respective denominations of coins;	a plurality of coin tubes each storing one coin denomination therein
a dispenser for dispensing coins from the coin tubes; and	and having coin payout means associated therewith,
a processor that is coupled to the dispenser	The method of claim 15 includes steps (b), (c) and (d) that are performed "within the coin changer." A processor is, therefore, inherent within the claimed coin changer.
and that is arranged to be coupled to a controller in the automatic transaction system so as to receive dispense signals from the automatic transaction system controller,	(a) transmitting a plurality of signals from the controller to the coin changer,

The preamble of claim 15 recites A method of paying out change from a vending machine including a controller and a coin changer associated therewith so as to receive signals therefrom, . . . |
| wherein the processor is configured to accumulate a value corresponding to the received dispense signals | (b) assigning, within the coin changer, a value to each of the transmitted signals,
(c) accumulating, within the coin changer, the assigned values of the transmitted signals, and |

and to cause at least one coin to be dispensed from the coin tubes based on the accumulated value.	**(d) producing, within the coin changer, at least one signal which effects payout of at least one coin from one of the plurality of coin tubes.**
Count 1	Claims 16 and 17 of U.S. Patent No. 5,733,186 depend directly or indirectly from claim 15 and include the limitations of that claim. See claim 15 above.
Count 1	U.S. Patent No. 5,733,186 Claim 19
A coin mechanism for use in an automatic transaction system, the coin mechanism comprising:	**19. A coin payout mechanism installable in a vending machine . . ., the coin payout mechanism comprising**
coin tubes for storing respective denominations of coins;	**M coin tubes, each coin tube storing one coin type therein, . . . ,**
a dispenser for dispensing coins from the coin tubes; and	**coin payout means associated with each coin tube, and**
a processor that is coupled to the dispenser	**processing means operably connected to each of the coin payout means,**
and that is arranged to be coupled to a controller in the automatic transaction system so as to receive dispense signals from the automatic transaction system controller,	**the processing means configured for connection to each of the N coin tube interface lines so as to receive signals therefrom,**
	The preamble of claim 19 recites that the vending machine controller is connected to the coin tube interface lines: **a controller . . ., N coin tube interface lines connected to the controller, the controller operable to produce signals on the N coin tube interface lines, . . .**
wherein the processor is configured to accumulate a value corresponding to the received dispense signals	**the processing means operable to accumulate a change payout amount in response to signals received from the N coin tube interface lines,**
and to cause at least one coin to be dispensed from the coin tubes based on the accumulated value.	**and the processing means operable in combination with the coin payout means of each coin tube to effect payout of coins therefrom.**